

To: Jessie Graham[jgraham@pgei.com]; Gallant, William[Gallant.William@epa.gov]
Cc: Mike Hackney[mhackney@pgei.com]
From: Suchomel, Bruce
Sent: Tue 2/16/2016 8:30:41 PM
Subject: RE: Antelope Creek Application

Jessie,

Well, it depends. Here is the current situation:

Petroglyph Status

Our FR contact (Ben) has schedule A with the associated bond riders on file, and it looks like nearly all wells match appropriately with what we have in U2.

113 Wells at \$59,344 a piece for a total of \$6,705,872.

Ben found an inconsistency in regards to wells 18-14 and 18-03. These seem to be listed twice each as **18-14a**, **18-14b**, **18-03a**, **18-03b** in U2. Ben has been working with **Omar** in regards to these two extra wells; Omar will follow-up with you.

If it is found that FR is necessary for those two extra wells listed in U2, then we would have to work with Petroglyph on having their bond amended to reflect an extra \$118,688, but as of today things are looking good.

The FR does pertain to the area permit expansion as well as the wells inside the existing area. So after resolving the above, we should be in good shape. It's just that you'll need to stay ahead of the schedule with FR prior to conversions. Ensuring newly converted wells have FR will equate to you contacting Ben and working with him ahead of time. You should contact him very soon after you decide on a particular well.

Bruce Suchomel
UIC Program - Environmental Engineer/Project Manager

USEPA Region 8 (P-W-UIC)
1595 Wynkoop St.
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303-312-6001

From: Jessie Graham [mailto:jgraham@pgei.com]
Sent: Tuesday, February 16, 2016 1:23 PM
To: Suchomel, Bruce <Suchomel.Bruce@epa.gov>; Gallant, William <Gallant.William@epa.gov>
Cc: Mike Hackney <mhackney@pgei.com>
Subject: RE: Antelope Creek Application

Bruce,

Is FR part of the permit expansion process into T5S-R4W section 36?

I think we will wait on starting the FR process on individual wells until we are ready to convert. Roughly, what is the timeframe for this process?

Thanks,

Jessie

From: Suchomel, Bruce [mailto:Suchomel.Bruce@epa.gov]
Sent: Tuesday, February 16, 2016 9:42 AM
To: Jessie Graham; Gallant, William
Cc: Mike Hackney
Subject: RE: Antelope Creek Application

Jessie,

We can begin the Financial Responsibility (FR) process, and can have our FR contact discuss with you the requirements. Would you like to have the FR added for a specific number of wells

on this application, or would you prefer waiting until the time you're actually ready to convert wells. Thanks – this process can take some time, so if you choose the latter please keep this in mind.

Bruce Suchomel

From: Jessie Graham [<mailto:jgraham@pgei.com>]
Sent: Wednesday, February 03, 2016 3:40 PM
To: Suchomel, Bruce <Suchomel.Bruce@epa.gov>; Gallant, William <Gallant.William@epa.gov>
Cc: Mike Hackney <mhackney@pgei.com>
Subject: RE: Antelope Creek Application

Bruce,

As discussed on the phone, we do not have any estimations for the dates of conversions. Please contact me with any questions or comments on the expansion.

Jessie

From: Suchomel, Bruce [<mailto:Suchomel.Bruce@epa.gov>]
Sent: Wednesday, February 03, 2016 3:24 PM
To: Jessie Graham; Gallant, William
Cc: Mike Hackney
Subject: RE: Antelope Creek Application

When will you convert wells in the SW?

Can you estimate the earliest date?

Bruce

From: Jessie Graham [<mailto:jgraham@pgei.com>]
Sent: Wednesday, February 03, 2016 2:17 PM
To: Suchomel, Bruce <Suchomel.Bruce@epa.gov>; Gallant, William <Gallant.William@epa.gov>
Cc: Mike Hackney <mhackney@pgei.com>
Subject: RE: Antelope Creek Application

Bruce,

We will continue the expansion to the SW.

Thanks,

Jessie

From: Suchomel, Bruce [<mailto:Suchomel.Bruce@epa.gov>]
Sent: Wednesday, February 03, 2016 1:48 PM
To: Jessie Graham; Gallant, William
Cc: Mike Hackney
Subject: RE: Antelope Creek Application

Jessie,

Thanks for the update. Will this delay the small expansion to the southwest as well? The reason I'm asking is that I will expend some time evaluating your application for ESA and NHPA compliance (for this possible added portion to the existing area permit), with follow-on consultations between the EPA and both the USFWS and the USHPO.

If you're holding off on this project, we can address these items at a later date.

Thanks.

Bruce Suchomel
UIC Program - Environmental Engineer/Project Manager
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From: Jessie Graham [<mailto:jgraham@pgei.com>]
Sent: Wednesday, February 03, 2016 1:40 PM
To: Gallant, William <Gallant.William@epa.gov>
Cc: Suchomel, Bruce <Suchomel.Bruce@epa.gov>; Mike Hackney <mhackney@pgei.com>
Subject: RE: Antelope Creek Application

Bill,

Due to the current oil prices, it is unlikely that we will be able to convert any of the wells we have submitted until oil prices rise. Currently we have 9 wells that are waiting to be completed, and those will take priority over any convert-to-injection wells.

I can still give you a priority list if you want it, I just know our timeline has changed and is dependent on better oil prices.

Thanks,

Jessie

From: Gallant, William [<mailto:Gallant.William@epa.gov>]
Sent: Tuesday, January 26, 2016 9:44 AM
To: Jessie Graham
Cc: Suchomel, Bruce; Mike Hackney
Subject: RE: Antelope Creek Application

Thanks for the heads up.

Bill Gallant, R.G.

UIC Program SEE - Geologist/Class II permitting

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gallant.william@epa.gov

(303) 312-6455

From: Jessie Graham [<mailto:jgraham@pgei.com>]
Sent: Tuesday, January 26, 2016 9:33 AM
To: Gallant, William <Gallant.William@epa.gov>
Cc: Suchomel, Bruce <Suchomel.Bruce@epa.gov>; Mike Hackney <mhackney@pgei.com>
Subject: RE: Antelope Creek Application

Bill,

We are working on the list, and my manager, Mike is currently out of the office. We will get you a list shortly.

Thanks,

Jessie

From: Gallant, William [<mailto:Gallant.William@epa.gov>]
Sent: Tuesday, January 26, 2016 9:26 AM
To: Jessie Graham
Cc: Suchomel, Bruce
Subject: RE: Antelope Creek Application

Jessie:

I believe we have mentioned this previously, but with the workload that is accumulating this year and previous discussions we have had with Petroglyph we need a priority list of the applications for conversion to injectors that you would like us to process. Initially Petroglyph had indicated that they would want approvals on 4 wells at a time. That can probably be managed. We just need to know which ones to move on first. Right now we are waiting for that listing before we proceed just so you know the current status.

Regards

Bill Gallant, R.G.

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gallant.william@epa.gov

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From: Jessie Graham [<mailto:jgraham@pgei.com>]

Sent: Tuesday, January 12, 2016 11:13 AM

To: Suchomel, Bruce <Suchomel.Bruce@epa.gov>

Cc: Gallant, William <Gallant.William@epa.gov>; Mike Hackney <mhackney@pgei.com>

Subject: RE: Antelope Creek Application

Bruce,

I am back from maternity leave! I was so close to having all of this wrapped up before baby came, but my baby had his own time schedule and showed up early!

I will be sending you another USB jump drive via the mail. It should go out today, and you should see it Friday or Monday.

On the jump drive I have these individual items:

Type Logs

GG4 Confining Layer Spreadsheet

Section 36 Major Modification Application

Engineer Ruler A80 and A0 pictures (these pictures are in the Ute Tribal 10-03 scale calculation document)

And for each individual well:

CBLs for all the AOR wells

Sundry information

Survey/Deviation for well (if it was ran) and AOR wells

Modified Well Bore Diagrams which now use Plate 4 for USDW

Wells Ute Tribal 08-12, 10-03, and 31-03 have color scanned CBLs and a scale calculation document—the Ute Tribal 10-03 has the Engineer Ruler pictures which show how the ruler was used.

The Ute Tribal 31-07 has a rescanned CBL

As always, do not hesitate to email or call with any questions or comments!

Thanks,

Jessie Graham

Petroglyph Energy, Inc.

O:208-685-7631

C:208-861-3734

From: Mike Hackney
Sent: Monday, November 02, 2015 9:09 AM
To: Suchomel, Bruce
Cc: Gallant, William (Gallant.William@epa.gov)
Subject: RE: Antelope Creek Application

Jessie had a baby on October 10. He showed up a few weeks early. Jessie had most of this rounded up and ready to send to you, but she hasn't been around for the last 3 weeks to finish it up.

She showed me where all the materials were last Friday, and I will try to get what she has collected rounded into final form and sent to you as soon as possible.

Mike

From: Suchomel, Bruce [<mailto:Suchomel.Bruce@epa.gov>]
Sent: Monday, November 02, 2015 8:55 AM
To: Mike Hackney <mhackney@pgei.com>; Jessie Graham <jgraham@pgei.com>
Cc: Gallant, William <Gallant.William@epa.gov>
Subject: Antelope Creek Application

Mike/Jessie,

Hope all is going well. I just want to follow-up with you regarding your Antelope Creek application to modify the current permit.

At this time we are not able to process your permit expansion and well conversion application.

The following past e-mails (date and subject line) outlined the areas that Petroglyph must address before we can process your application.

Please feel free to call if further discussion is needed. We look forward to working with you in moving this modification and subsequent permitting actions forward.

<u>Date</u>	<u>Subject</u>
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September 9	Antelope Creek
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September 16	Antelope Creek: NHPA and ESA
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September 17 Antelope Creek Expansion Permit Application

Bruce Suchomel
UIC Program - Environmental Engineer/Project Manager
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